

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	22	"423/328.1".ccls. and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu) and (palladium or pd) and ((titania or titanium or ti or (titanium near oxide) or "tio.sup.2") or (magnesia or magnesium or mg) or (alumina or (aluminum near oxide) or "alo. sup.2") or (silica near alumina) or (calcium near aluminate))and (weight or ratio or ppm or ppmw or wt)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2010/06/17 15:25
L2	521	"502/303".ccls. and palladium	US-PGPUB; USPAT; USOCR	NEAR	ON	2010/06/17 15:25
S1	20	"20020068843".pn.   "5063194".pn.   "4762956".pn.   "4404124".pn.   "4126645".pn.   "4001344".pn.   "3821323".pn.   "3549720".pn.   "3116342".pn.   "3113980".pn.   "3068303".pn.   "2946829".pn.   "2909578".pn.	US-PGPUB; USPAT; USOCR	NEAR	OFF	2008/09/17 11:45
S2	1	"6228800".pn.	US-PGPUB; USPAT; USOCR	NEAR	OFF	2008/09/17 13:26

S3	1	"6228800".pn. and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu)	US-PGPUB; USPAT; USOCR	NEAR	OFF	2008/09/17 13:29
S5	1	"6228800".pn. and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu or rare earth metals or palladium or pd)	US-PGPUB; USPAT; USOCR	NEAR	OFF	2008/09/17 13:34
S6	1	"10559501"	US-PGPUB; USPAT; USOCR	NEAR	OFF	2008/09/17 13:53
S7	0	"6228800".pn. and pore	US-PGPUB; USPAT; USOCR	NEAR	OFF	2008/09/17 15:18
S8	7	("20020068843".pn.   "5063194".pn.   "4762956".pn.   "4404124".pn.   "4126645".pn.   "4001344".pn.   "3821323".pn.   "3549720".pn.   "3116342".pn.   "3113980".pn.   "3068303".pn.   "2946829".pn.   "2909578".pn.) and (lanthanide or lanthanoid or	US-PGPUB; USPAT; USOCR	NEAR	OFF	2008/09/17 15:30

		Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu)				
S9	8	("20020068843".pn.   "5063194".pn.   "4762956".pn.   "4404124".pn.   "4126645".pn.   "4001344".pn.   "3821323".pn.   "3549720".pn.   "3116342".pn.   "3113980".pn.   "3068303".pn.   "2946829".pn.   "2909578".pn.) and pore	US-PGPUB; USPAT; USOCR	NEAR	OFF	2008/09/17 15:35
S10	2494135	(titania or titanium or ti or (titanium near oxide) or "tio.sup.2") or (magnesia or magnesium or mg) or (alumina or (aluminum near oxide) or "alo. sup.2") or (silica near alumina) or (calcium near aluminate)	US-PGPUB; USPAT; USOCR	NEAR	OFF	2008/09/17 15:54
S11	93768	palladium and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/17 15:55

S12	515847	(alumina or (aluminum near oxide) or "al. sup.2O.sup.3" or "Al. sup2O.sup.3" or aloxite)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/17 15:56
S13	3153	palladium and (Cerium or Ce or "CeO.sup.2") and S12 and pore	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/17 15:57
S14	1554	palladium SAME4 (Cerium or Ce or "CeO. sup.2") SAME4 S12 and pore	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/17 15:58
S15	83	palladium SAME4 (Cerium or Ce or "CeO. sup.2") SAME4 S12 and pore and acetylene and ethylene and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/17 15:59
S16	0	"4602000".pn. and ". angstrom."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/17 16:38
S17	0	"4602000".pn. and ". ang."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/17 16:39
S18	0	"4602000".pn. and ". ang.."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2008/09/17 16:40
S19	1	"4602000".pn. and ang	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	ON	2008/09/17 16:40
S20	1199	"502/302".ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/17 16:47
S21	502	"502/302".ccls. and (alumina or (aluminum near oxide) or "al. sup.2O.sup.3" or "Al. sup2O.sup.3" or aloxite) and cerium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/17 17:28
S22	274	"502/302".ccls. and (alumina or (aluminum near oxide) or "al. sup.2O.sup.3" or "Al. sup2O.sup.3" or aloxite) and pore	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/17 17:29

S23	145	"502/302".cds. and (alumina or (aluminum near oxide) or "al. sup.2O.sup.3" or "Al. sup2O.sup.3" or aloxite) and (pore near3 (size or diameter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/17 17:30
S24	2	"6228800".pn. and ((titania or titanium or ti or (titanium near oxide) or "tio.sup.2") or (magnesia or magnesium or mg) or (alumina or (aluminum near oxide) or "alo. sup.2") or (silica near alumina) or (calcium near aluminate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/18 09:04
S25	2	"6228800".pn. and (rare earth metals or palladium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/18 09:34
S26	1	"6228800".pn. and mm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/18 09:40
S27	29544	atomic adj ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/18 10:23
S28	543	"502/302".cds. and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu) and (palladium or pd) and ((titania or titanium or ti or (titanium near oxide) or "tio.sup.2") or (magnesia or magnesium or mg) or (alumina or (aluminum near oxide) or "alo.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 09:49

		sup.2") or (silica near alumina) or (calcium near aluminate))				
S29	910	"502/302".cds. and (weight or ratio or ppm or ppmw or wt)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 09:50
S30	514	"502/302".cds. and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu) and (palladium or pd) and ((titania or titanium or ti or (titanium near oxide) or "tio.sup.2") or (magnesia or magnesium or mg) or (alumina or (aluminum near oxide) or "alo. sup.2") or (silica near alumina) or (calcium near aluminate))and (weight or ratio or ppm or ppmw or wt)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 09:55
S31	2	"6013173".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 10:27
S32	1	"6013173".pn. and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 10:28

		Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu) and (palladium or pd) and ((titania or titanium or ti or (titanium near oxide) or "tio.sup.2") or (magnesia or magnesium or mg) or (alumina or (aluminum near oxide) or "alo. sup.2") or (silica near alumina) or (calcium near aluminate))and (weight or ratio or ppm or ppmw or wt)				
S33	1036	"502/303".cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 13:13
S34	1729	"502/304".cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 13:13
S35	309	"423/328.1".cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 13:13
S36	20	"423/328.1".cds. and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu) and (palladium or pd) and ((titania or titanium or ti or (titanium near oxide) or "tio.sup.2") or (magnesia or magnesium or mg) or (alumina or (aluminum near oxide) or "alo. sup.2") or (silica near alumina) or (calcium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 13:13

		near aluminate))and (weight or ratio or ppm or ppmw or wt)				
S37	59	(BAILEY near STEPHEN).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 13:14
S38	4	(BONNE near RAIMOND).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 13:14
S39	113	(WATSON near MICHAEL).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 13:14
S40	8	(GRIFFITHS near CLIVE).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 13:15
S41	182	(BOOTH near JOHN).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2008/09/22 13:15
S42	1	"7453017".PN.	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/05/08 10:37
S43	21	"423/328.1".ccls. and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu) and (palladium or pd) and ((titania or titanium or ti or (titanium near oxide) or "tio.sup.2") or (magnesia or magnesium or mg) or (alumina or (aluminum near oxide) or "alo. sup.2") or (silica near alumina) OR (calcium near aluminate))and (weight or ratio or ppm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2009/10/06 18:09



		or ppmw or wt)				
S44	226	hydrogenation and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu) near6 promoter	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/10/07 12:31
S45	3647	hydrogenation and acetylene and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu) and (palladium OR pd)	US-PGPUB; USPAT; USOCR	NEAR	ON	2009/10/07 13:30
S46	1756	hydrogenation and acetylene and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2") and (palladium OR pd)	US-PGPUB; USPAT; USOCR	NEAR	ON	2009/10/07 13:31
S47	38	hydrogenation and acetylene.ab. and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2") and (palladium OR pd)	US-PGPUB; USPAT; USOCR	NEAR	ON	2009/10/07 13:32

S49	32	hydrogenation SAME acetylene SAME (promoter OR promotor) SAME selectivity	US-PGPUB; USPAT; USOCR	NEAR	ON	2009/10/07 14:07
S50	1	"3915845".pn.	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/10/08 10:29
S51	3041	(lanthanide or lanthanoid or Lanthanum or Cerium Praseodymium or Pr or Neodymium or Promethium or Samarium or Europium or Gadolinium or Terbium or Dysprosium or Holmium or Erbium or Thulium or Ytterbium or Lutetium) near6 palladium	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/10/08 10:37
S52	1441	catalyst AND (lanthanide or lanthanoid or Lanthanum or Cerium Praseodymium or Pr or Neodymium or Promethium or Samarium or Europium or Gadolinium or Terbium or Dysprosium or Holmium or Erbium or Thulium or Ytterbium or Lutetium) near6 palladium	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/10/08 10:38
S53	24	("1271013"   "2651598"   "2780584"   "2814599"   "3299156"   "3435090"   "3503867").PN. OR ("3679773").URPN.	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/10/08 11:35
S54	3	"3912787".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2009/10/08 13:07
S56	1	"6858766".pn.	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/10/08 13:14

S58	21	"423/328.1".ccls. and (lanthanide or lanthanoid or Lanthanum or La or Cerium or Ce or "CeO. sup.2" or Praseodymium or Pr or Neodymium or Nd or Promethium or Pm or Samarium or Sm or Europium or Eu or Gadolinium or Gd or Terbium or Tb or Dysprosium or Dy or Holmium or Ho or Erbium or Er or Thulium or Tm or Ytterbium or Yb or Lutetium or Lu) and (palladium or pd) and ((titania or titanium or ti or (titanium near oxide) or "tio.sup.2") or (magnesia or magnesium or mg) or (alumina or (aluminum near oxide) or "alo. sup.2") or (silica near alumina) or (calcium near aluminate))and (weight or ratio or ppm or ppmw or wt)	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/10/08 13:27
S59	2240	catalyst AND (lanthanide or lanthanoid or Lanthanum or Cerium OR Praseodymium or Neodymium or Promethium or Samarium or Europium or Gadolinium or Terbium or Dysprosium or Holmium or Erbium or Thulium or Ytterbium or Lutetium) near6 palladium	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/10/08 13:33
S60	11	("3549720").URPN.	USPAT	NEAR	OFF	2009/10/08 13:36

S61	0	("3549720").URPN. AND (lanthanide or lanthanoid or Lanthanum or Cerium OR Praseodymium or Neodymium or Promethium or Samarium or Europium or Gadolinium or Terbium or Dysprosium or Holmium or Erbium or Thulium or Ytterbium or Lutetium)	USPAT	NEAR	OFF	2009/10/08 13:37
S62	0	("3549720").URPN. AND (lanthanide or lanthanoid or Lanthanum or Cerium OR cerum OR Praseodymium or Neodymium or Promethium or Samarium or Europium or Gadolinium or Terbium or Dysprosium or Holmium or Erbium or Thulium or Ytterbium or Lutetium)	USPAT	NEAR	OFF	2009/10/08 13:37
S63	11	("3549720").URPN.	USPAT	NEAR	OFF	2009/10/08 13:38
S64	0	S63 AND (lanthanide or lanthanoid or Lanthanum or Cerium OR Praseodymium or Neodymium or Promethium or Samarium or Europium or Gadolinium or Terbium or Dysprosium or Holmium or Erbium or Thulium or Ytterbium or Lutetium)	USPAT	NEAR	OFF	2009/10/08 13:38
S65	1	("3549720").URPN. AND (promoter OR promotor OR stabilizer)	USPAT	NEAR	OFF	2009/10/08 13:39
S66	0	"L18." AND (promoter OR promotor OR stabilizer)	USPAT	NEAR	OFF	2009/10/08 13:40
S67	3226	acetylene AND (promoter OR promotor OR stabilizer)	USPAT	NEAR	OFF	2009/10/08 13:40
S68	639	acetylene AND catalyst SAME (promoter OR promotor OR stabilizer)	USPAT	NEAR	OFF	2009/10/08 13:41

S72	1	"3904552".pn.	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/10/08 13:50
S73	877	"502/303".cds.	US-PGPUB; USPAT; USOCR	NEAR	OFF	2009/10/08 13:57
S74	463	"502/303".cds. and palladium	US-PGPUB; USPAT; USOCR	NEAR	ON	2009/10/08 13:59

**EAST Search History (Interference)**

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